

Sensor Loop With Distributed Power Sources And Method Therefor

Abstract Of The Disclosure

5 A fail-safe electrical control system in the form of a
sensor loop (24) is provided. The sensor loop (24) includes
any number of sensor units (22) coupled in series. Each sensor
unit (22) includes a local power source (26), a local sensor
10 (14), and a local indicator controller (30). The local power
source (26), local sensor (14), and local indicator controller
(30) are coupled in series within the sensor unit (22) and the
sensor loop (24) to form a closed circuit (40) that does not
require a central controller or the performance of loop
configuration activities. The local power sources (26)
15 distributed throughout the sensor loop (24) within the sensor
units (22) are all isolated from the earth. In one preferred
embodiment, the sensor loop (24) controls the movement of solar
collectors (12) into wind stow positions when high wind (16)
conditions occur.